

Appendix

More about the collaboration

Other collaborators in this project include clinical and engineering experts from Prince of Wales Hospital (PWH), CUHK's Department of Biomedical Engineering, University College London (UCL), and Johns Hopkins University (JHU). This project is also supported by the Multi-scale Medical Robotics Center (MRC) during the system's pre-clinical trials. Making use of the MRI scanning facilities in the MRC, the proposed system has gone through skull model and cadaver trials to validate its clinical workflow and feasibility in human anatomy. The results showed the robot's precision to be at the level where errors are less than 3mm. The prototype is IP-protected, with a patent pending.